

FIG. 1
PRIOR ART

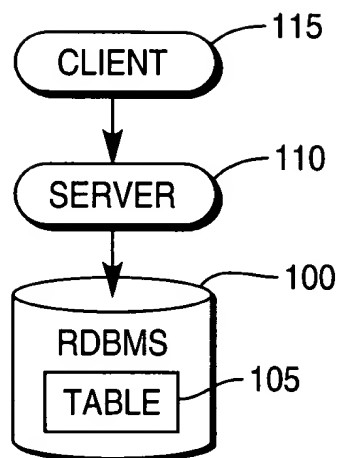


FIG. 2
PRIOR ART

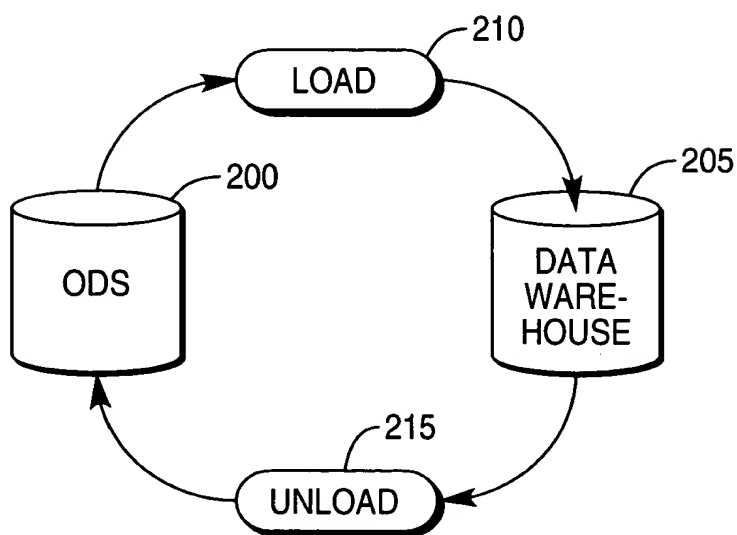




FIG. 3

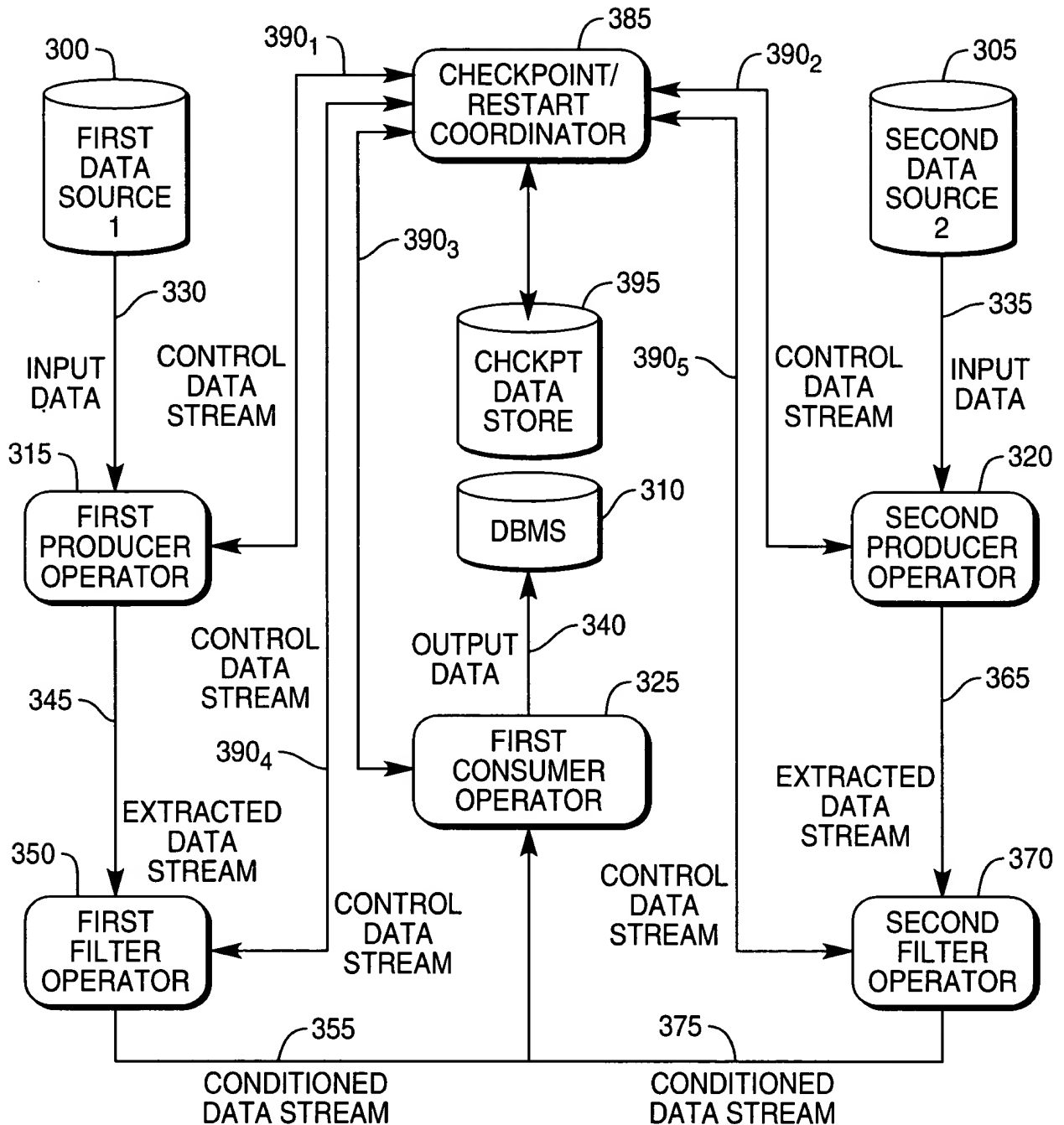




FIG. 4
(CHECKPOINT PROCESSING)

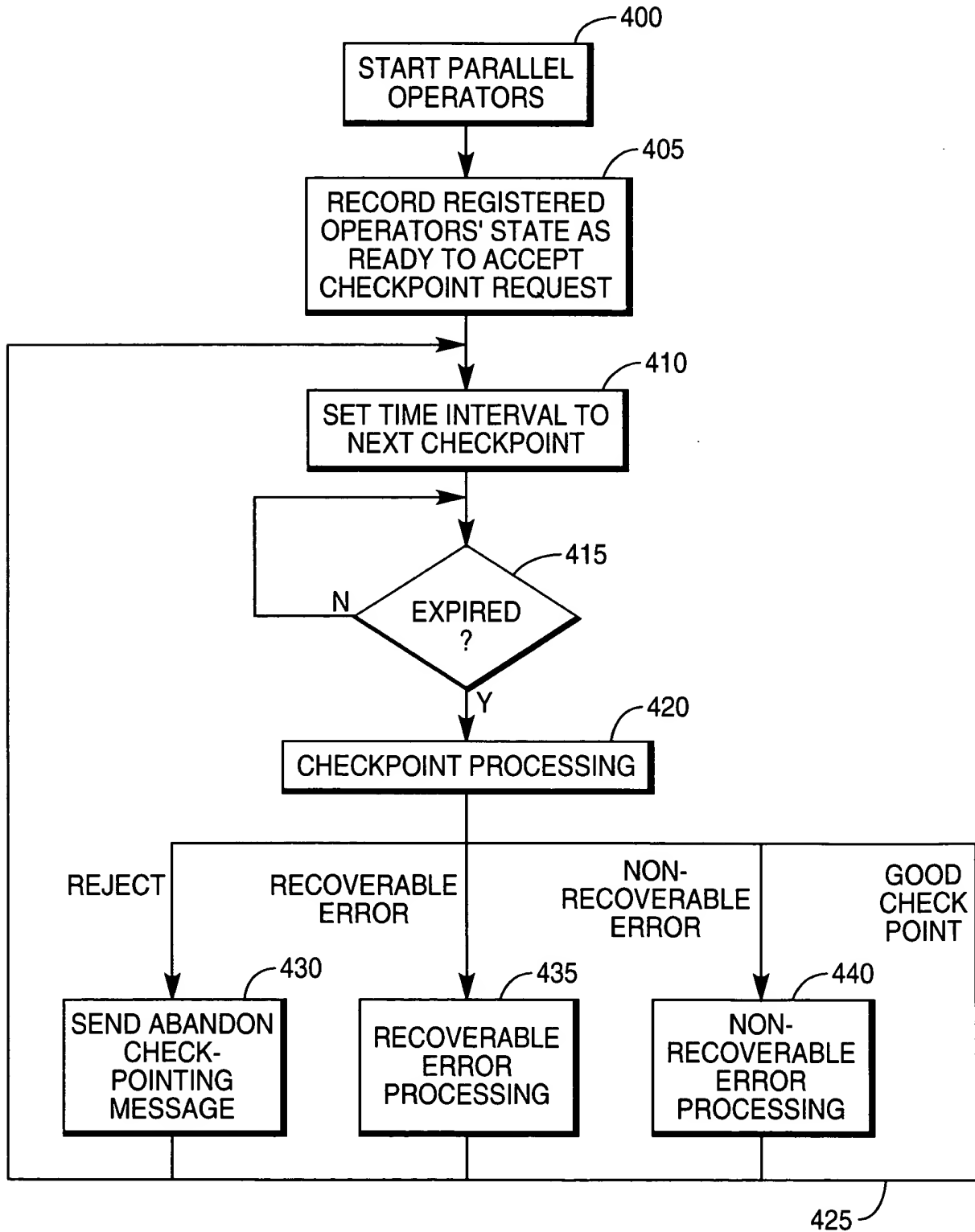




FIG. 5
(NORMAL PROCESSING)

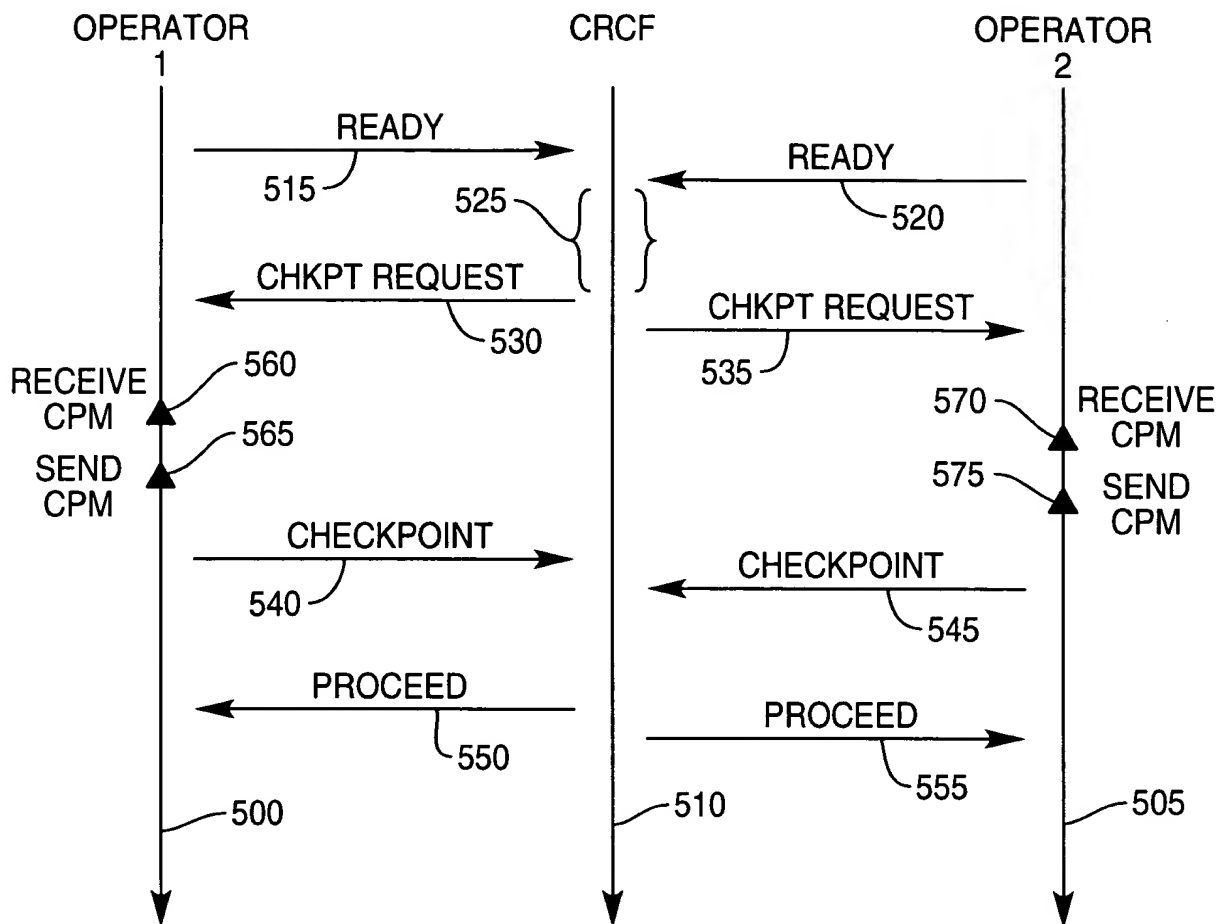


FIG. 6

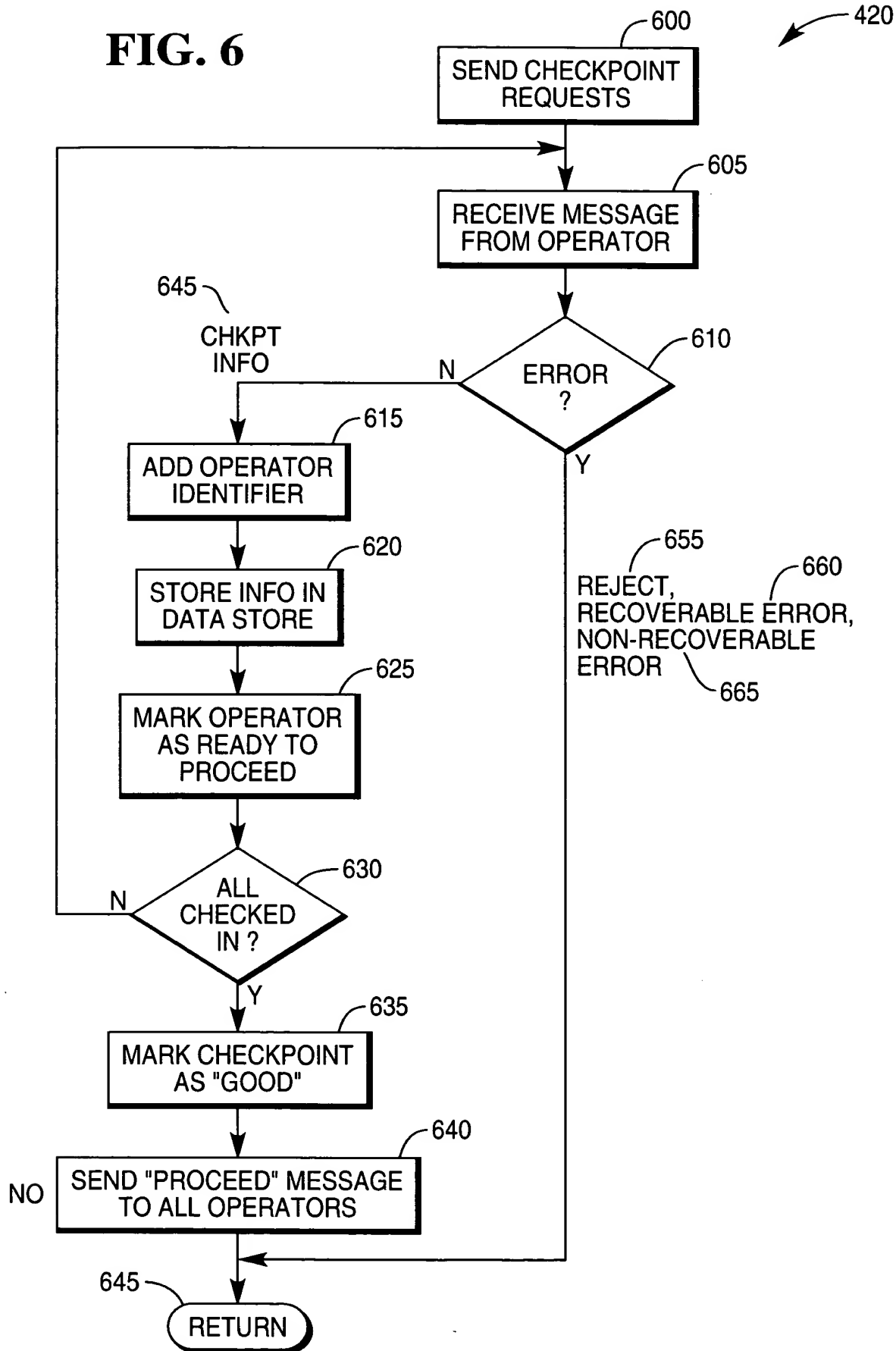




FIG. 7
(CHECKPOINT REJECTED)

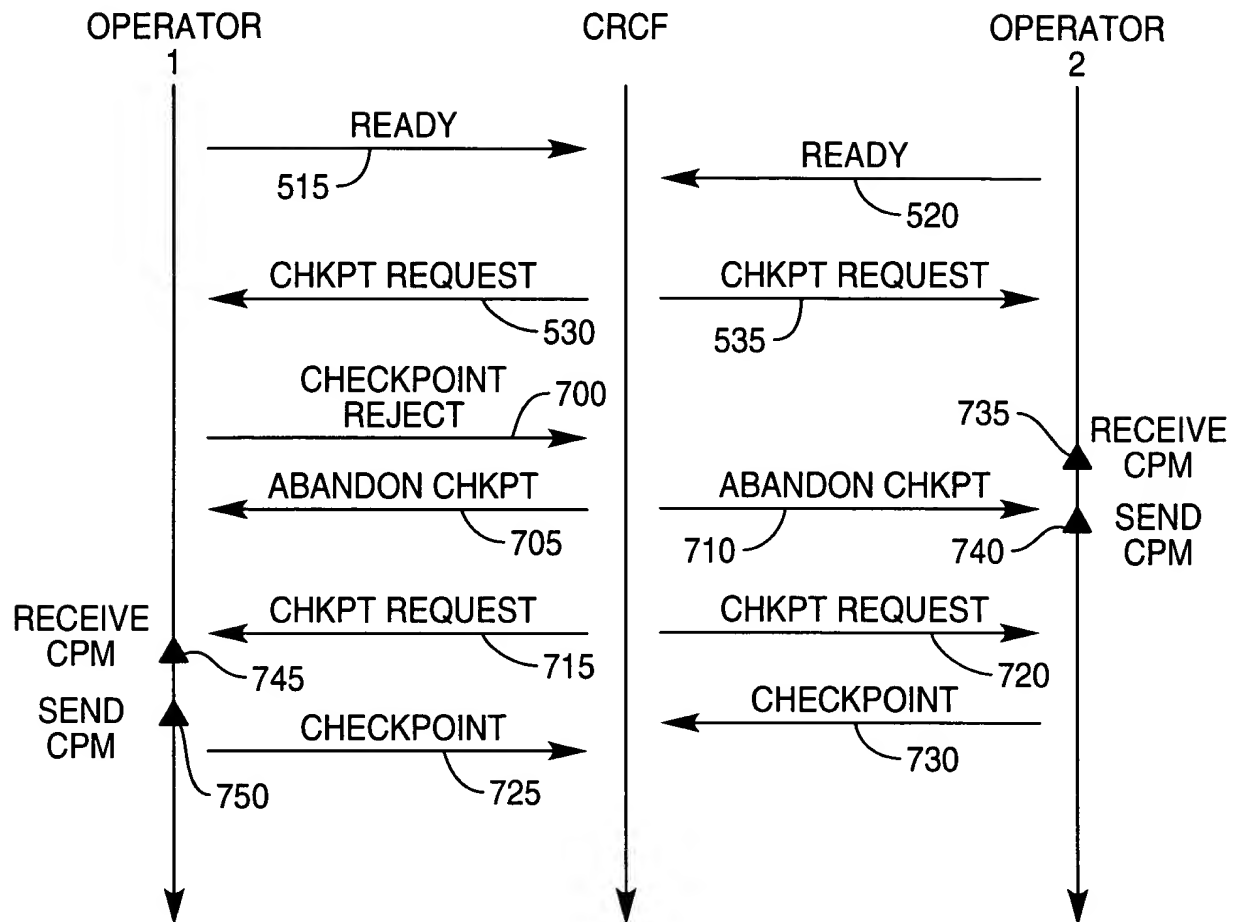




FIG. 8

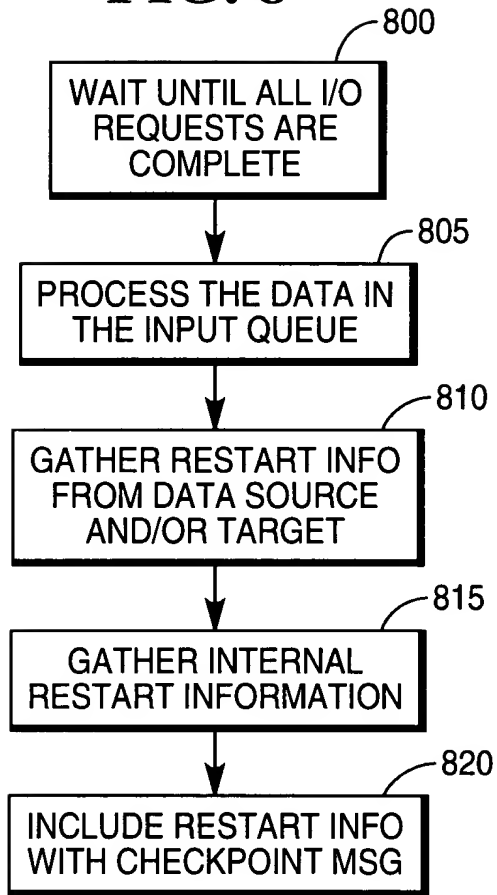


FIG. 9

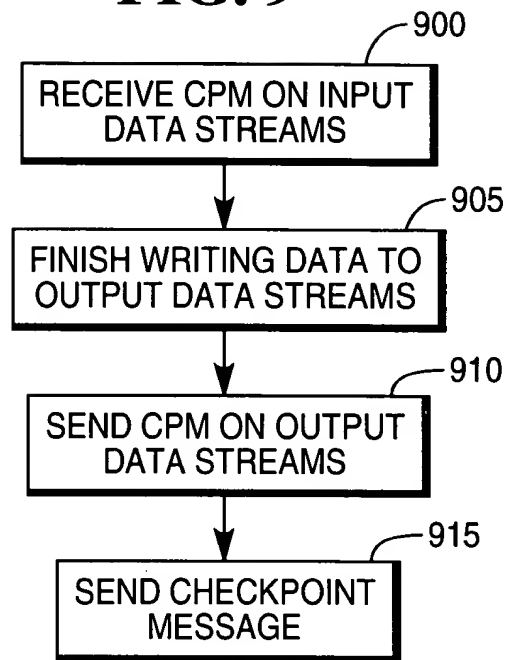


FIG. 10

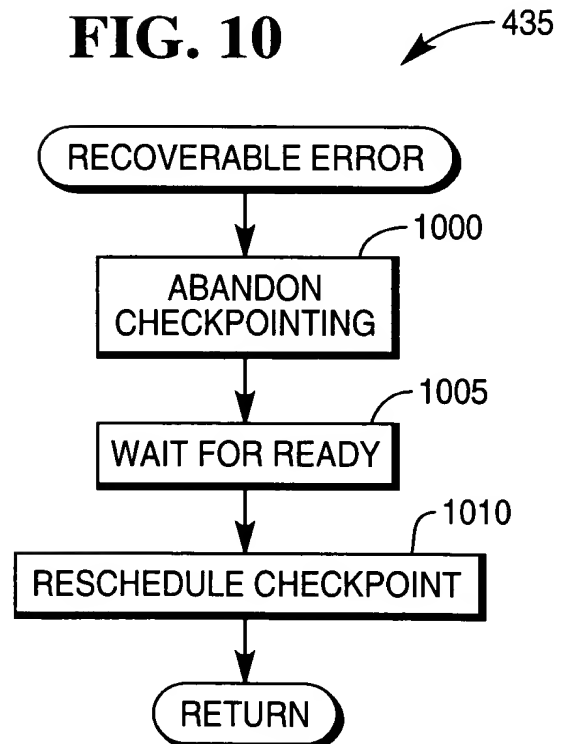




FIG. 11
(RECOVERABLE ERROR)

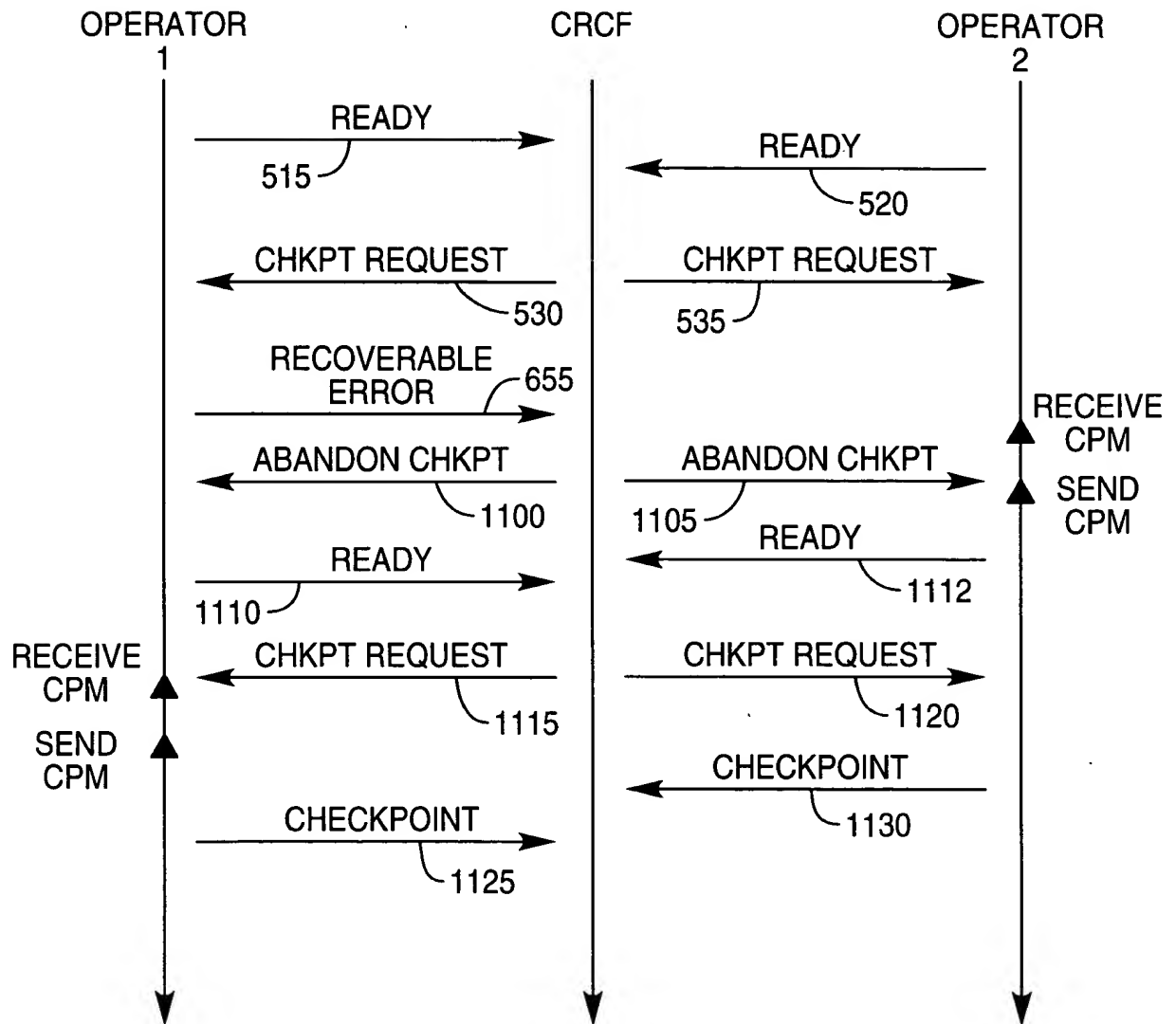




FIG. 12
(NON-RECOVERABLE ERROR)

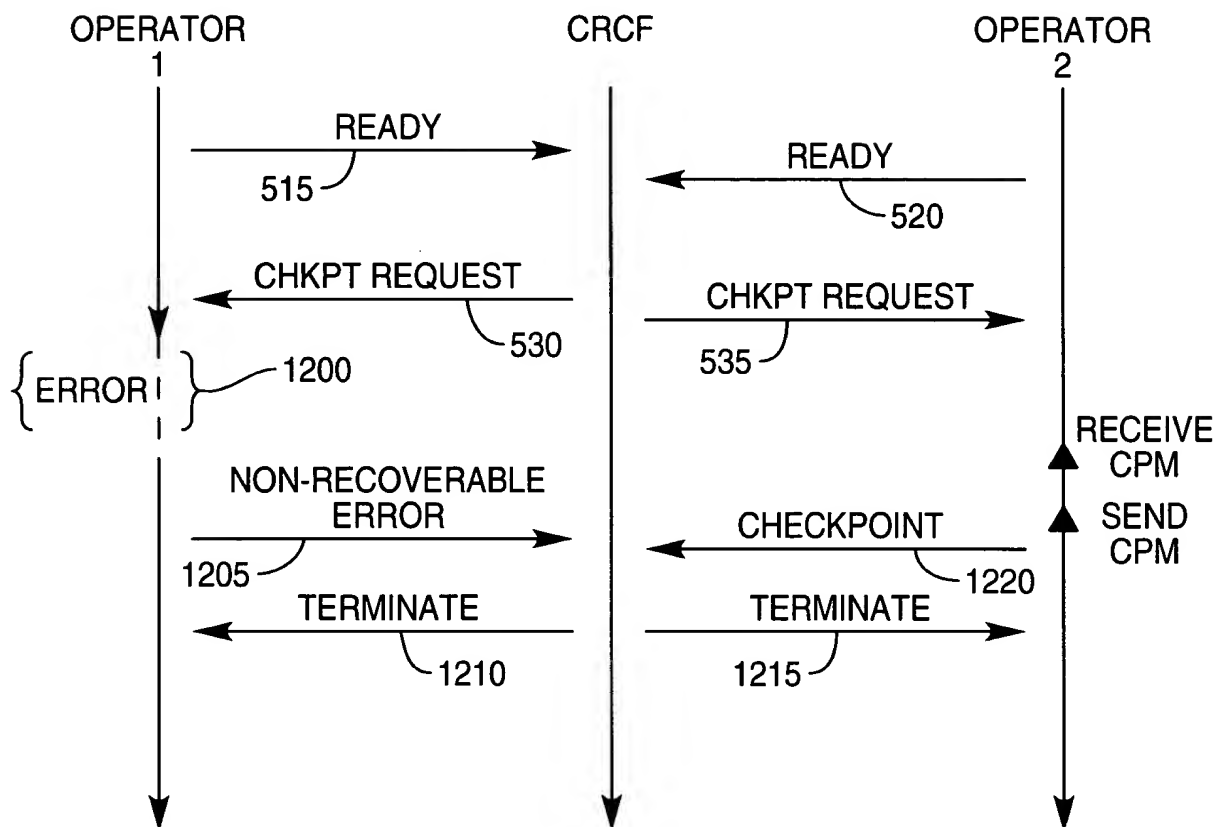


FIG. 13

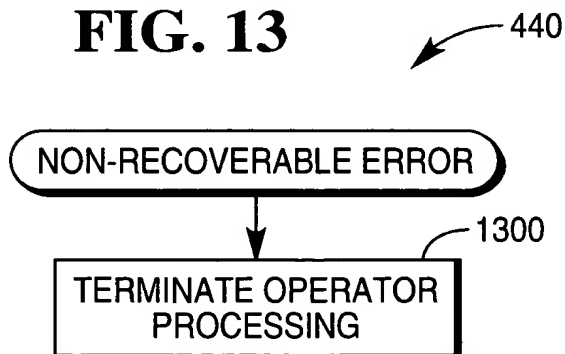
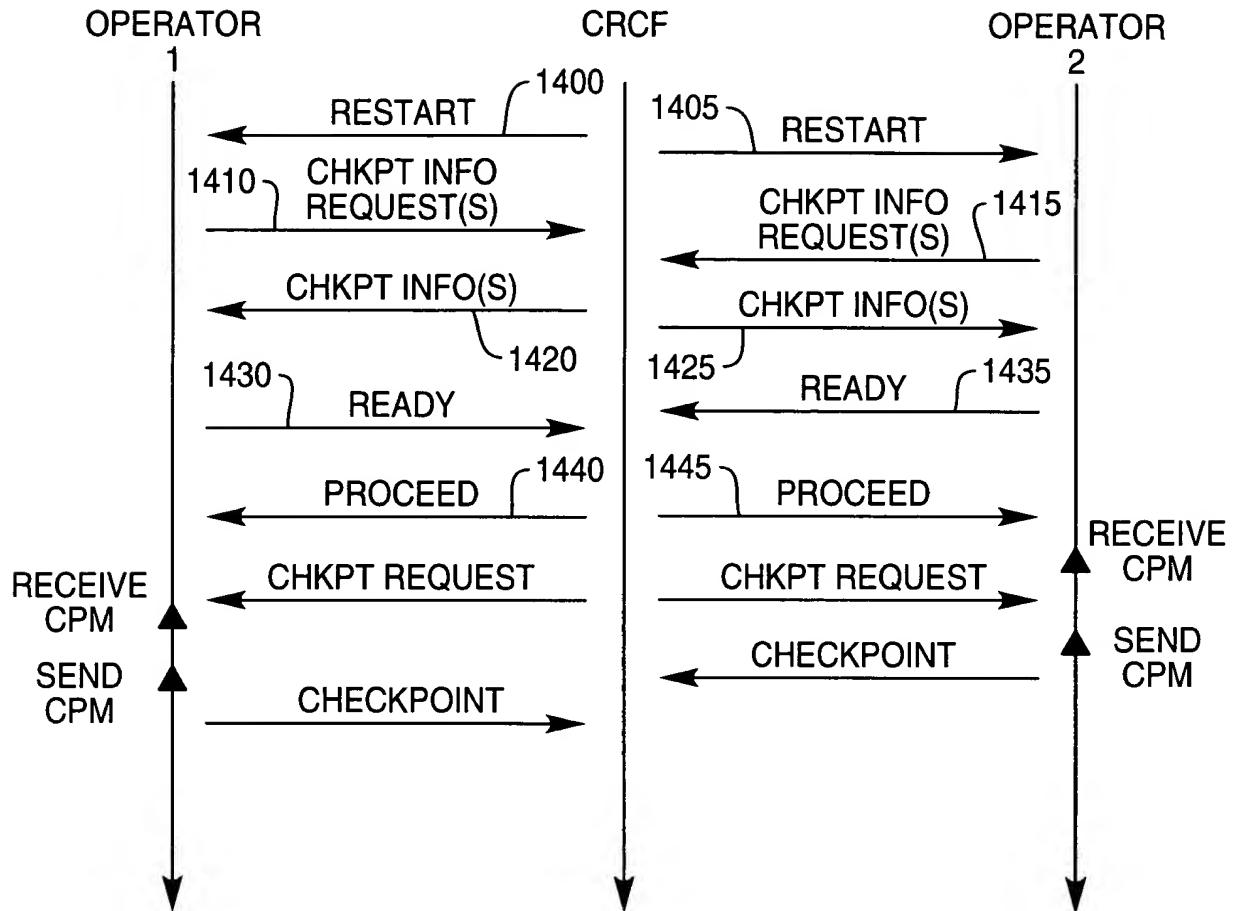




FIG. 14
(RE-START)



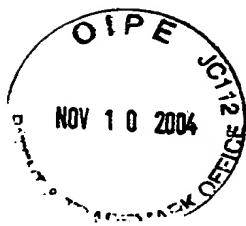
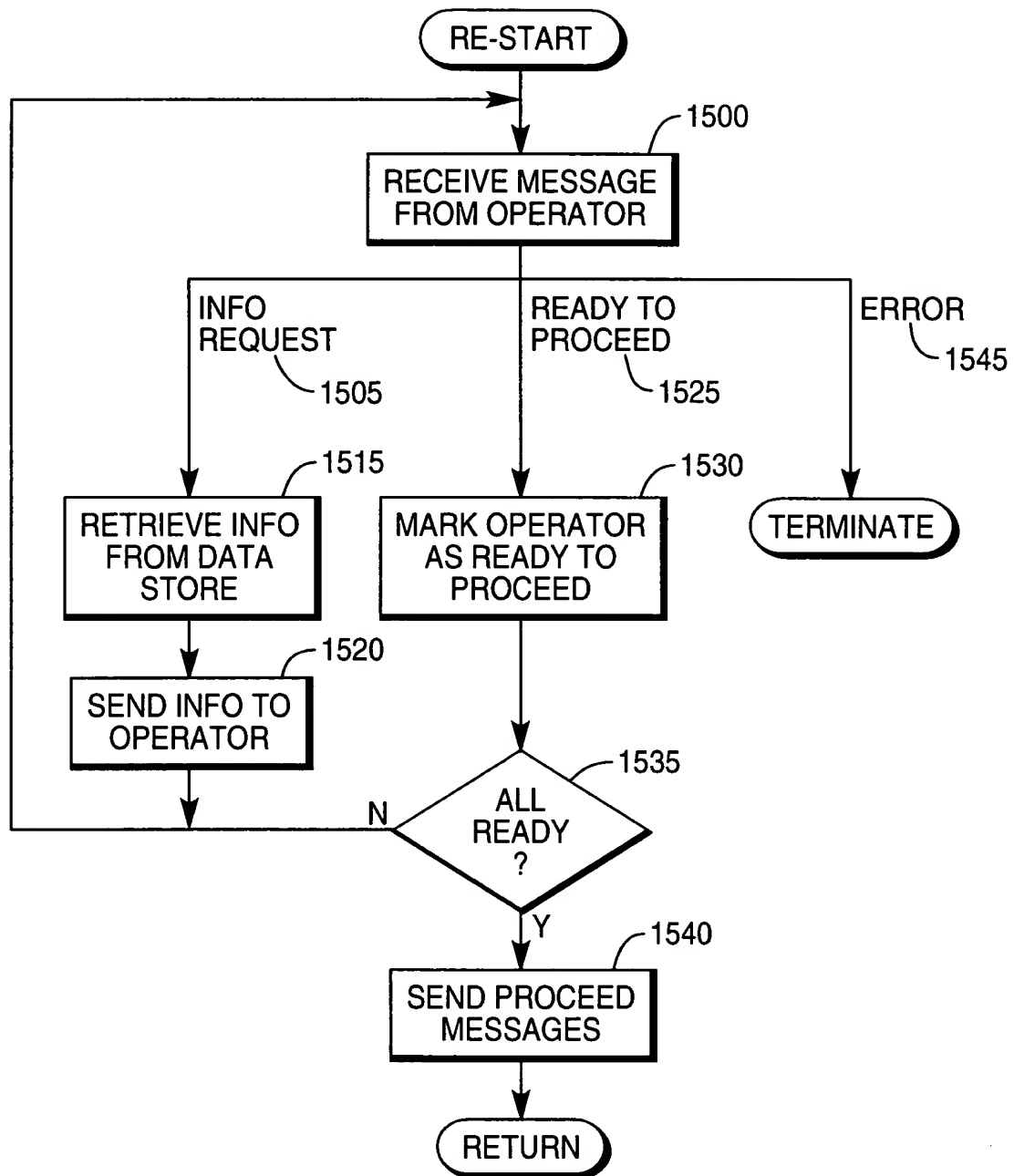


FIG. 15



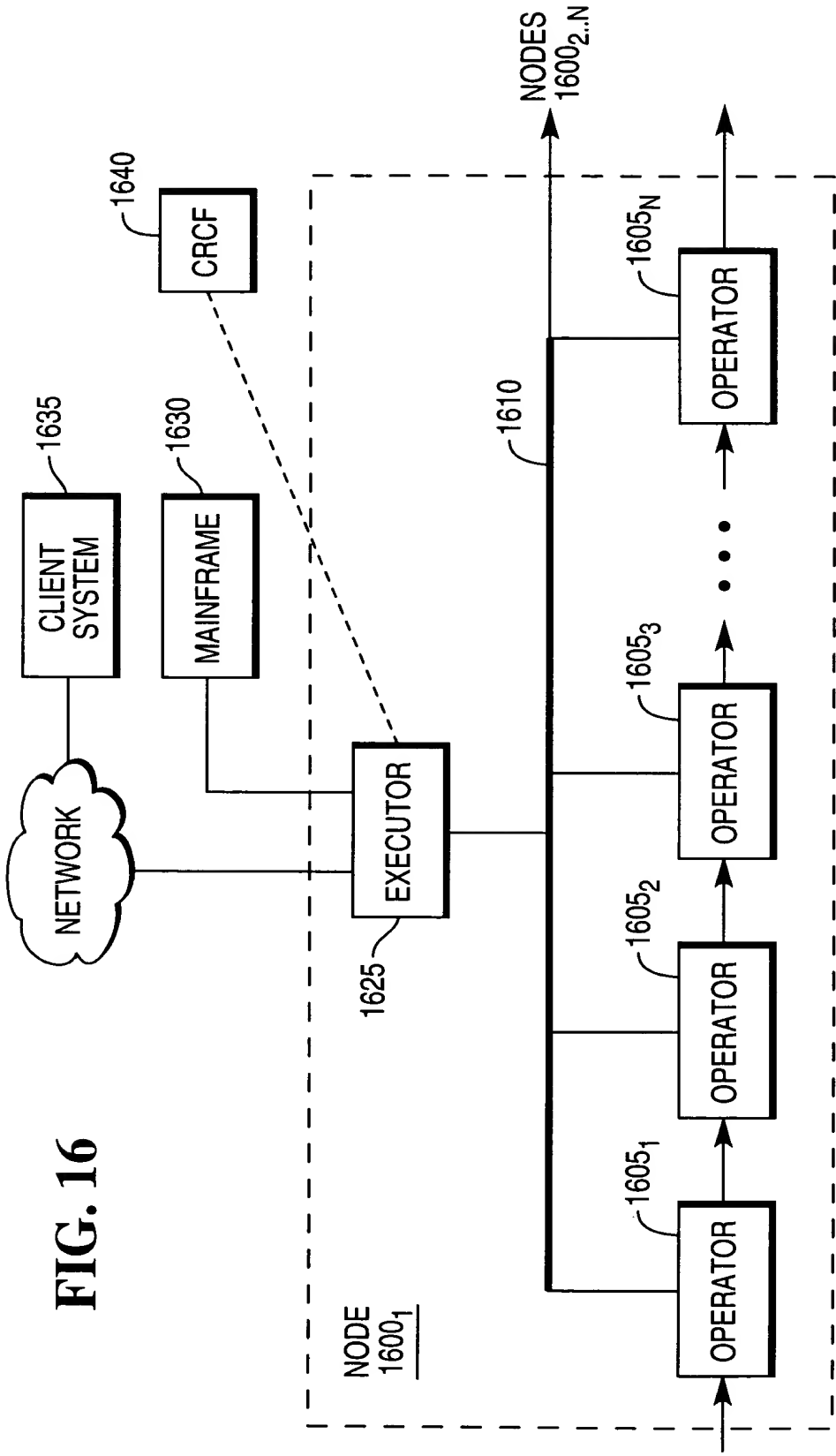


FIG. 16